



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

## \*BIBDATASHEET\*

Bib Data Sheet

CONFIRMATION NO. 4718

SERIAL NUMBER 10/734,302	FILING DATE 12/15/2003  RULE	CLASS 360	GROUP ART UNIT 2653	ATTORNEY DOCKET NO. 500.30304C15
-----------------------------	---------------------------------------	--------------	------------------------	--

## APPLICANTS

Hideo Arai, Chigasaki-shi, JAPAN;

Hitoaki Owashi, Yokohama-shi, JAPAN;

Kyoichi Hosokawa, Yokohama-shi, JAPAN; Keizo Nishimura, Yokosuka-shi, JAPAN;

Yoshizumi Watatani, Fujisawa-shi, JAPAN;

Akira Shibata, Katsuta-shi, JAPAN;

## \*\* CONTINUING DATA \*\*\*\*\*

This application is a CON of 10/603,612 06/26/2003  
which is a CON of 10/404,452 04/02/2003  
which is a CON of 10/277,830 10/23/2002 PAT 6,590,726  
which is a CON of 09/809,047 03/16/2001 PAT 6,498,691  
which is a CON of 09/654,962 09/05/2000 PAT 6,324,025  
which is a CON of 09/567,005 05/09/2000 PAT 6,278,564  
which is a CON of 09/326,595 06/07/1999 PAT 6,069,757  
which is a CON of 09/188,303 11/10/1998 PAT 6,002,536  
which is a CON of 08/917,176 08/25/1997 PAT 5,862,004  
which is a CON of 08/620,879 03/22/1996 PAT 5,699,203  
which is a CON of 08/457,597 06/01/1995 PAT 5,530,598  
which is a CON of 08/457,486 06/01/1995 PAT 5,517,368  
which is a CON of 08/238,528 05/05/1994 PAT 5,671,095  
which is a DIV of 07/727,059 07/08/1991 PAT 5,337,199

## \*\* FOREIGN APPLICATIONS \*\*\*\*\*

JAPAN 02-177406 07/06/1990

JAPAN 02-190655 07/20/1990

JAPAN 02-250199 09/21/1990

IF REQUIRED, FOREIGN FILING LICENSE GRANTED

\*\* 03/19/2004

Foreign Priority claimed <input checked="" type="checkbox"/> yes <input type="checkbox"/> no	STATE OR COUNTRY JAPAN	SHEETS DRAWING 18	TOTAL CLAIMS 4	INDEPENDENT CLAIMS 1
35 USC 119 (a-d) conditions met <input checked="" type="checkbox"/> yes <input type="checkbox"/> no Met after Allowance	Verified and Acknowledged Examiner's Signature _____ Initials _____			

## ADDRESS

020457

ANTONELLI, TERRY, STOUT &amp; KRAUS, LLP

1300 NORTH SEVENTEENTH STREET

SUITE 1800